P33

Abstract

The structural component (1) made out of long-fibre reinforced thermoplastic material (LFT) with integrated continuous fibre (EF) - reinforcements comprises at least three individually integrated, shaped EF - profiles (10), which form a three-dimensional intersection point (50). In this, at least one EF - profile (10) respectively lies in an upper and in a lower main plane (H1, H2) of the intersection point and one EF - profile extends continuously in vertical direction (v) between these EF - profiles of the upper and of the lower main plane. The EF - profiles (10) are connected to one another by shapings (32) of the LFT - mass (6) at the intersection point in a force-transmitting manner. At several points loads (L) are exerted on the EF - profiles. With this, three-dimensionally applied loads (L) are capable of being optimally supported.

(Fig. 1a)